



C O A S T A L S C I E N C E & E N G I N E E R I N G
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September 22, 2011

Weekly Meeting Memo CSE-19

MEMO

TO: Cliff Ogburn, Town of Nags Head, NC

FROM: Haiqing L. Kaczkowski (PE) and Tim W. Kana (PG)

RE: Nags Head Beach Nourishment Project (CSE 2203)

Weekly Project Meeting of the Town, the Contractor, and the Engineer

The weekly project meeting of the Town of Nags Head, the Contractor (Great Lakes Dredge & Dock, referred to as GLDD) and the Engineer (Coastal Science & Engineering, referred to as CSE) was held from 9:05 a.m. to 9:45 a.m. on Thursday, 22 September 2011, at the Town Hall. Items discussed during the meeting are summarized herein.

1) GLDD Production Updates

The dredge Padre Island returned to the job site yesterday evening, September 21, 2011, and GLDD has been working on fixing the hoses of the submerged line near station 570+00 this morning. Pumping operations are expected to resume at that place later today or tomorrow. The submerged pipeline at the south end of the project near station 1005+00 will be inspected shortly, and the Padre Island may move to that landing point once the pipeline is fixed there. This morning after the weekly meeting, new before-dredging surveys will be conducted on the last 900 ft of unnourished sections at the south end of the project area between stations 1016+00 and 1025+00 in order to determine the quantity of sand needing to be placed there. CSE will provide guidance on the fill plans based on GLDD's most recent survey results.



As of midnight today, the Padre Island has finished 64 loads with a reported volume of over 150,000 cy since she started pumping on 22 August, 2011.

The Dodge Island presently remains in Norfolk for repairs. She is expected to return to the job site next Tuesday, September 27, and upon her return, she is expected to join the Padre Island to finish the remaining ~500,000 cubic yards of work.

The weather forecast predicts workable conditions for the following days. The project is expected to be complete by mid October, provided there are no major weather or mechanical delays.

2) The First Northeaster on Outer Banks

After Hurricane Maria's passage, the first northeaster hit the Outer Banks over the past weekend. The wind speed was as high as 20 to 25 mph and ocean wave heights reached 8 feet. CSE monitored the whole project area on Monday, September 19 after the passage of the northeaster, and no escarpment was found on either the native beach or the nourished beach.

3) CSE Request for Minor Modification to the State Permit

NCDCM representatives confirmed that CSE's request for the minor modification to the state permit is complete, and they are in the process of reviewing the request. In addition to the cross-section plots of the revised templates presented in the request, a plan view drawing is being prepared at the request of NCDCM to illustrate the footprints of the revised templates between stations 540+00 and 630+00.

4) Beach Tilling Requirements

CSE received instruction from the USACE project manager on Monday, September 19 that no tilling is required at this time.



5) Sea Turtle Monitoring on the Beach

Sea turtle monitoring on the beach has been suspended over the past week since the dredges left the job site on September 15. Monitoring will resume when the dredges resume pumping operations.

6) Anticipated events and schedule for next week

Surfing and Fishing Events

The Grand Finals of the 2011 Easterns® Surfing Championships are being held today and will last until Sunday, September 25. The contest activities are located at both sides of Jennett's Pier, Nags Head. Since the beach is already nourished at these sections, and the active construction site is located approximately 4 miles north of Jennett's Pier, the ongoing beach nourishment project will not interrupt this event.

The 2011 World Championships for Surf Kayaking will be held on September 19 to October 8, 2011 in Nags Head. The competition site is at Jennett's Pier.

The 60th Annual Nags Head Surf Fishing Club Invitational Tournament will be held on October 5 to 8 in Nags Head.

Thursday, 29 September, at 9 a.m. — Weekly project meeting at the Town Hall

(The Town, the Contractor, and the Engineer are expected to attend.)

Enclosure: List of attendees and their contact information